# INDEX

## Vol. 33 Wireless Engineer 1956


| | MONTH | PAGE |
|---|---|---|
| ABSTRACTS AND REFERENCES (*See Special Index to be published with March 1957 issue*) | | |
| Adcock Direction Finder, W. C. Bain | Jan. | 20 |
| Aerial Pattern Synthesis, Herbert E. Salzer | Oct. | 240 |
| —— Testing at Reduced Ranges, Microwave, David K. Cheng | Oct. | 234 |
| Aerials, Parabolic Cylinder, K. Foster | Mar. | 59 |
| Amplifier, The Transistor, (*Editorial*) Feb. 31; (*Correspondence*) | Apr. | 103 |
| Amplifiers, Disc-Seal Triode, G. Craven | Aug. | 179 |
| Amplitude Limitation in *LC* Oscillators, Ziya Akçasu | June | 151 |
| Angwin, Col. Sir Arthur Stanley, Hon. Membership, I.E.E. | Mar. | 76 |
| Arrival Angle of H. F. Waves, A. F. Wilkins and C. M. Minnis | Feb. | 47 |
| Attenuators with Mismatched Terminations, J. Altshuler | Nov. | 257 |
| BACK-SCATTER Ionospheric Sounder, E. D. R. Shearman and L. T. J. Martin | Aug. | 190 |
| Bainbridge-Bell, L. H., Obituary | Sept. | 228 |
| Bifilar-T Trap (*Editorials*) Apr. 77, May 105; (*Correspondence*) July 175, 177, | Sept. | 226 |
| BOOKS AND TECHNICAL PUBLICATIONS: | | |
| ASLIB Year Book, 1956–57 | Nov. | 277 |
| Abacs or Nomograms, A. Giet | Nov. | 277 |
| Abstracts and References Index, I.R.E. 1946–53 | Feb. | 55 |
| Amplitude Modulation, Edited by Alexander Schure | Sept. | 228 |
| Analysis of Bistable Multivibrator Operation, P. A. Neeteson | Dec. | 301 |
| Analysis of Electric Circuits, William H. Middendorf (*Review*) | Nov. | 277 |
| Antennen und Ausbreitung, K. Fränz and H. Lassen | Oct. | 251 |
| B.B.C. Handbook 1956 | Feb. | 55 |
| Blocking Oscillators, Edited by Alexander Schure | Sept. | 228 |
| British Plastics Year Book 1956 | Sept. | 228 |
| BRITISH STANDARDS: | | |
| Basic Characteristics of Radio Service Selection and Intercommunication Systems for Civil Aircraft | Nov. | 278 |
| Code of Practice on the use of Electronic Valves | Aug. | 202 |
| Colour Codes for Connections in Radio and Allied Electronic Equipment | May | 130 |
| Contactors when supplied separately or in Combination with Other Gear | Aug. | 202 |
| Fixed Paper-Dielectric Capacitors for D.C. for use in Telecommunication and Allied Electronic Equipment | Aug. | 202 |
| Glossary of Terms Relating to Automatic Digital Computers | May | 130 |
| Memorandum on the Design of Electrical Apparatus having Double Insulation | Nov. | 277 |
| Methods of Testing Vulcanized Rubber | Nov. | 277 |
| Performance of Power Transformers (not exceeding 2 kVA rating) for Radio and Allied Electronic Equipment | May | 130 |
| Terminology of Internal Defects in Castings as Revealed by Radiography | Nov. | 278 |
| Terms Relating to the Performance of Measuring Instruments | May | 130 |
| Thin Vulcanized Fibre Sheets (Including Leatheroid) for Electrical Purposes | Nov. | 278 |
| Varnished Cotton Cloth Sheet and Tape for Electrical Purposes | Nov. | 278 |
| Year Book 1956 | Aug. | 202 |
| CABMA Register 1956–57 | Oct. | 251 |
| Color Television Engineering, John W. Wentworth | Oct. | 251 |
| Color Television Standards, Edited by Donald G. Fink | Apr. | 104 |
| Commercial Broadcasting in the British West Indies, Central Rediffusion Services | May | 130 |
| Co-Operative Electrical Research | Nov. | 277 |
| Correcting Television Picture Faults, John Cura and Leonard Stanley | Oct. | 251 |
| Das Ohr als Nachrichtenempfänger, R. Feldtkeller and E. Zwicker | Sept. | 227 |
| Die Laplace-Transformation und ihre Anwendung in der Regelungstechnik, R. Herschel (*Review*) | Mar. | 75 |
| Distribution of Radio Brightness on the Solar Disk: Interstellar Hydrogen, U.R.S.I. | Nov. | 277 |
| Electrical Interference, A. P. Hale | May | 130 |
| Electrical Who's Who 1956–57 | Sept. | 228 |
| Electronic and Radio Engineering, F. E. Terman (*Review*) | May | 130 |
| Electronic Transformers and Circuits, Reuben Lee (*Review*) | Mar. | 75 |
| Electronics, A. W. Keen | Apr. | 104 |
| F. M. Explained, E. A. W. Spreadbury | Feb. | 55 |
| Frequency Modulation Engineering, Christopher E. Tibbs and G. G. Johnstone (*Review*) | Nov. | 277 |
| Fundamentals of Television Engineering, Glenn M. Glasford | Oct. | 251 |
| Guide to Broadcasting Stations 1956–1957 (9th Edn) | Sept. | 228 |
| Hi-Fi from Microphone to Ear, G. Slot | Nov. | 277 |
| Hi-Fi Loudspeakers and Enclosures, Abraham B. Cohen | Apr. | 104 |
| High Vacuum Technique, J. Yarwood | Apr. | 104 |
| Impulstechnik, Dr. F. Winckel (*Review*) | Mar. | 75 |
| Instruments for Measurement and Control, Werner G. Holzbock | Feb. | 55 |
| Introduction to Color TV, M. Kaufman and H. Thomas | Apr. | 104 |
| Introduction to Distributed Amplification, Harry Stockman | Nov. | 277 |
| Introduction to Printed Circuits, Robert L. Swiggett | Dec. | 301 |
| Les Antennes, L. Thourel | Nov. | 277 |
| Mathematische Methoden in der Hochfrequenztechnik, Klaus Pöschl (*Review*) | June | 156 |
| Metal Transfer between Palladium and Silver Contacts at Low Inductance, J. Riddlestone | Sept. | 228 |
| Mobile Manual for Radio Amateurs, A.R.R.L. | Feb. | 55 |
| Multivibrators, Edited by Alexander Schure | Apr. | 104 |
| NATIONAL BUREAU OF STANDARDS: | | |
| Amplitude and Phase Curves for Ground-Wave Propagation in the Band 200 c/s to 500 c/s, James R. Wait and H. Herbert Howe | Nov. | 278 |

| | MONTH | PAGE |
|---|---|---|
| Copper Wire Tables | Aug. | 202 |
| Guide to Instrumentation Literature, W. G. Brombacher, Julian F. Smith and Lyman M. van der Pyl | Aug. | 202 |
| Electron Physics Tables, L. Marton, C. Marton and W. G. Hall | Nov. | 278 |
| Protection against Betatron-Synchrotron Radiation up to 100 Million Electron Volts | Nov. | 278 |
| Units and Systems of Weights and Measures, Lewis V. Judson | Nov. | 278 |
| Worldwide Radio Noise Levels expected in the Frequency Band 10 Kilocycles to 100 Megacycles, W. Q. Crichlow, D. F. Smith, R. N. Norton and W. R. Corliss | Aug. | 202 |
| Noise, A. van der Ziel (*Review*) | May | 130 |
| Nomograms of Complex Hyperbolic Functions, Jørgen Rybner (*Review*) | May | 130 |
| Ondes Centimétriques: Lignes-Circuits-Antennes, G. Goudet and P. Chavance (*Review*) | June | 156 |
| Picture Book of TV Troubles: Vol. 5, Horizontal Output and H-V Circuits; Vol. 7, Sound Circuits and Low-Voltage Power Supplies (John F. Rider) Sept. 228, | Dec. | 301 |
| Practical Radio Servicing, William Marcus and Alex Levy | May | 130 |
| Principles of Radio, E.M.I. Institute Wall Charts | May | 130 |
| Proceedings of 11th General Assembly of U.R.S.I. (International Scientific Radio Union) May 130, | July | 177 |
| Proceedings of Radio-Electronics-Television Manufacturers' Association on Automation | Apr. | 103 |
| Proceedings of the Symposium on Printed Circuits | Feb. | 55 |
| Progress in Semiconductors, Vol. 1, A. F. Gibson, P. Aigrain and R. E. Burgess | Dec. | 301 |
| R.F. Transmission Lines, Edited by Alexander Schure | Sept. | 228 |
| Radio Amateurs' Handbook, A.R.R.L. | May | 130 |
| Radio and Electronic Components, Vol. 1, Fixed Resistors, Feb. 55; Vol. 2, Variable Resistors and Potentiometers, G. W. A. Dummer | Nov. | 277 |
| Radio Operating Questions and Answers (12th Edn), J. L. Hornung and A. A. McKenzie | Feb. | 55 |
| Radio Receiver Laboratory Manual, Alex. W. Levey | Sept. | 228 |
| Radio Research 1955 | Nov. | 277 |
| Radio Valve Data (5th Edn) | Sept. | 228 |
| Robertson Guide to Screw Thread Forms | Nov. | 277 |
| Scattering and Diffraction of Radio Waves, J. R. Mentzer | May | 130 |
| Services' Textbook of Radio, Vol. 3, Electronics, J. Thomson | Apr. | 104 |
| Solution of Problems in Telecommunications, C. S. Henson | Oct. | 252 |
| Stable Synchronous Detector for Audio-Frequency Measurements, P. G. Kendall | Sept. | 228 |
| Standard Capacitors, N.P.L. | Oct. | 252 |
| Static and Dynamic Electron Optics, P. A. Sturrock | Feb. | 55 |
| Studien über einkreisige Schwingungssysteme mit Zeitlich veränderlichen Elementen, Dr. Sc. Techn. Bruno Rudolph Gloor | Oct. | 252 |
| Study of the Double Modulated F.M. Radar, Mahomed Abd-El Wahab Ismail | Feb. | 55 |
| TV Repair Questions and Answers: Vol. 5, Sound and Low Voltage Circuits, Sidney Platt | Nov. | 277 |
| Taschenbuch der Hochfrequenztechnik, H. Meinke and F. W. Gundlach (*Review*) | Sept. | 227 |
| Television Engineering: Vol. 2, Video-Frequency Amplification, S. W. Amos and D. C. Birkinshaw | Sept. | 227 |
| Television Principles and Practice (2nd Edn), F. J. Camm | Feb. | 55 |
| Time-Saving Network Calculations, H. Stockman | Oct. | 252 |
| Transistor Electronics, A. W. Lo, R. O. Endres, J. Zawels, F. D. Waldhauer and Chung-Chih Cheng (*Review*) | Mar. | 75 |
| Udstråling Gennem Dielektriske Kugle-og Cylinderskaller, M. G. Andreasen | Oct. | 252 |
| Vacuum Valves in Pulse Technique, P. A. Neeteson (*Review*) | Feb. | 55 |
| Vierpoltheorie und Frequenztransformation, Torbern Laurent | Oct | 251 |
| *Wireless & Electrical Trader* Year Book 1956 | Apr. | 104 |
| Wireless Servicing Manual (9th Edn), W. T. Cocking | Sept. | 227 |
| *Wireless World* Diary 1957 | Dec. | 301 |
| Bullard, Sir Edward C., Retiring Director N.P.L. | Mar. | 74 |
| By-Pass Filters, R. O. Rowlands | Oct. | 238 |
| CATHODE-FOLLOWER Oscillators, RC, (*Correspondence*) | May | 129 |
| Circuits with Non-Linear Resistance, A. Liebetegger | Jan. | 24 |
| Clutter on Radar Displays, J. Croney | Apr. | 83 |
| Compatible Colour-Television, J. Haantjes and K. Teer, Jan. 3, | Feb. | 39 |
| Constant-Frequency Oscillators, A. S. Gladwin, Jan. 13; (*Correspondence*) Aug. 201, | Sept. | 227 |
| Control System, Klystron, R. J. D. Reeves, June 135, July 162, | Aug. | 184 |
| CORRESPONDENCE: | | |
| Bifilar-T Trap, W. Proctor Wilson, July 177; Richard F. Burns | Sept. | 226 |
| Constant-Frequency Oscillators, L. B. Lukaszewicz, Aug. 201; A. S. Gladwin | Sept. | 227 |
| Dual of Kirchhoff's Branch-Current Rule, S. R. Deards | Oct. | 251 |
| Electrostatic Loudspeakers, T. C. Nuttall | Mar. | 74 |
| Equivalent Equalizer Circuits, H. J. Orchard | Jan. | 54 |
| High-Stability Oscillators, Janusz Groszkowski; W. B. Bernard; Norman Lea | Jan. | 53 |
| New Rejector Circuit, H. J. Orchard | July | 175 |
| Non-Linearity Distortion, D. C. Sutherland, W.T.C. | Apr. | 103 |
| Practical Transistor Circuits, D. L. Johnston | Apr. | 103 |
| *RC* Cathode-Follower Oscillators, P. J. Baxandall; F. E. J. Girling, E. F. Good, S. W. Noble | May | 129 |
| Saturable-Reactor Frequency Divider, D. A. Bell | Jan. | 54 |
| Standard-Frequency Transmissions—Droitwich 200 kc/s, M. I. Forsyth-Grant; L. Essen | Dec. | 301 |
| Transient Response Calculation, O. P. D Cutteridge | Jan. | 29 |
| X-Ray Production by Magnetron, A. C. Wesley | Jan. | 29 |
| Counter, High-Frequency Electronic, A. V. Lord and S. J. Lent | Sept. | 220 |
| DF. Plotting Aid, H. G. Hopkins | July | 173 |
| Detectability of Signals in Noise, J. W. R. Griffiths | May | 118 |
| Diodes, Electron Trajectories in Coaxial, R. Dehn | Jan. | 10 |

| | MONTH | PAGE |
|---|---|---|
| Direction Finder, Adcock, W. C. Bain | Jan. | 20 |
| Disc-Seal Triode Amplifiers, G. Craven | Aug. | 179 |
| Distortion, Non-Linearity, (*Editorial*) Jan. 1; (*Correspondence*) | Apr. | 103 |
| Distributed Circuits, Free Oscillations in Simple, A. B. Hillan | Dec. | 279 |
| Dual of Kirchhoff's Branch-Current Rule (*Correspondence*) | Oct. | 251 |
| E-LAYER, Oblique Transmission by Meteoric, R. Naismith | July | 159 |
| EDITORIALS: | | |
| Bifilar-T Trap, May 105; (*Correspondence*) July 177, | Sept. | 226 |
| Electrostatic Loudspeaker Again, Mar. 57; (*Correspondence*) | Mar. | 74 |
| Janet | Sept. | 203 |
| New Rejector Circuit, Apr. 77; (*Correspondence*) | July | 175 |
| Non-Linearity Distortion, Jan. 1; (*Correspondence*) | Apr. | 103 |
| Television Picture Quality | July | 157 |
| Transistor Amplifier, Feb. 31; (*Correspondence*) | Apr. | 103 |
| Electron Trajectories in Coaxial Diodes, R. Dehn | Jan. | 10 |
| Electrostatic Loudspeaker Again (*Editorial*) Mar. 57; (*Correspondence*) | Mar. | 74 |
| "Engineer" Centenary | Jan. | 19 |
| Equivalent Equalizer Circuits (*Correspondence*) | Feb. | 54 |
| Errors in Bridge Measurements, C. G. Mayo and J. W. Head | Nov. | 265 |
| Exhibition: Electronic Instruments, E.M.I. | Nov. | 276 |
| ——, Mechanical Handling | Mar. | 76 |
| ——, National Radio 1956, Review | Oct. | 229 |
| ——, Physical Society 1956, Review | June | 131 |
| ——, R.E.C.M.F. 1957 | Dec. | 302 |
| FERRITES, I.E.E. Convention on, | Oct. | 252 |
| Filters, By-Pass, R. O. Rowlands | Oct. | 238 |
| ——, Optimum *RC*, J. W. R. Griffiths | Nov. | 268 |
| ——, Waveguide, M. H. N. Potok | Apr. | 79 |
| Fluctuation Noise, F. J. Hyde | Nov. | 271 |
| Free Oscillations in Simple Distributed Circuits, A. B. Hillan | Dec. | 279 |
| Frequency Divider, Saturable-Reactor, (*Correspondence*) | Feb. | 54 |
| —— Stability, Oscillator, A. S. Gladwin | Sept. | 209 |
| GLOW-DISCHARGE Tubes, F. A. Benson and L. J. Bental | Feb. | 33 |
| Ground Waves, Low-Frequency, G. E. Ashwell and C. S. Fowler | Oct. | 245 |
| Group-Delay Measurements, C. J. Heuvelman and A. van Weel | May | 107 |
| H.F. Waves, Arrival Angle of, A. F. Wilkins and C. M. Minnis | Feb. | 47 |
| High-Frequency Electronic Counter, A. V. Lord and S. J. Lent | Sept. | 220 |
| High Stability Oscillators (*Correspondence*) | Feb. | 53 |
| Honours, New Year | Feb. | 55 |
| Howe, Professor G. W. O., Faraday Medal Award | Mar. | 76 |
| ——, Elected Hon. Member Brit.I.R.E. | Nov. | 276 |
| I.E.E. Awards | Mar. | 76 |
| —— Convention on Ferrites | Oct. | 252 |
| I.R.E., L. C. Jesty elected Fellow | Mar. | 74 |
| Impedance Concept, The, C. G. Mayo and J. W. Head, Apr. 96, | May | 121 |
| —— Transformers, J. Willis and N. K. Sinha | Sept. | 204 |
| Ionospheric Scatter: Janet (*Editorial*) | Sept. | 203 |
| —— Sounder, Back-Scatter, E. D. R. Shearman and L. T. J. Martin | Aug. | 190 |
| JANET (*Editorial*) | Sept. | 203 |
| Jesty, L. C., Elected Fellow I.R.E. | Mar. | 74 |
| KIRCHHOFF'S Branch-Current Rule, Dual of, (*Correspondence*) | Oct. | 251 |
| Klystron Control System, R. J. D. Reeves, June 135, July 162, | Aug. | 184 |
| LINE Transmission Circuits, E. D. Fitton and R. E. Howland | June | 143 |
| Lockspeiser, Sir Ben, Retiring Secretary D.S.I.R. | Mar. | 74 |
| Logarithmic Receivers: Clutter on Radar Displays, J. Croney | Apr. | 83 |
| Loudspeaker, Electrostatic, (*Editorial*) Mar. 57; (*Correspondence*) | Mar. | 74 |
| Low-Frequency Ground Waves, G. E. Ashwell and C. S. Fowler | Oct. | 245 |
| MSF Standard Frequencies Expressed in Terms of the Caesium Resonance, L. Essen | July | 178 |
| Measurement [of Fluctuation Noise] at Very Low Frequencies, F. J. Hyde | Nov. | 271 |
| —— of Phase Change with Distance: Low-Frequency Ground Waves, G. E. Ashwell and C. S. Fowler | Oct. | 245 |
| ——, Phase-Angle, C. H. Vincent | May | 113 |
| Measurements, Errors in Bridge, C. G. Mayo and J. W. Head | Nov. | 265 |
| ——, Group-Delay, C. J. Heuvelman and A. van Weel | May | 107 |
| Mechanical Handling Exhibition | Mar. | 76 |
| Megaw, Dr. Eric C. S., Obituary | Mar. | 76 |
| Melville, Prof. H. W., New Secretary D.S.I.R. | Mar. | 74 |
| Meteoric E-Layer, Oblique Transmission by, R. Naismith | July | 159 |
| —— Scatter: "Janet", (*Editorial*) | Sept. | 203 |
| Microwave Aerial Testing at Reduced Ranges, David K. Cheng | Oct. | 234 |
| —— Vehicle-Speed Indicator, G. W. G. Court | Mar. | 66 |
| Microwaves, Scattering of, by Long Dielectric Cylinders, Albert W. Adey | Nov. | 259 |
| Mismatched Terminations, Attenuators with, J. Altshuler | Nov. | 257 |
| N-TERMINAL Networks, A. Bloch | Dec. | 295 |
| National Physical Laboratory, New Director | Mar. | 74 |
| National Radio Exhibition 1956, Review | Oct. | 229 |
| New Rejector Circuit (*Editorials*) Apr. 77, May 105; (*Correspondence*) July 175, 177, | Sept. | 226 |
| —— Year Honours | Feb. | 55 |
| Nobel Prize, Dr. W. Shockley | Dec. | 301 |
| Noise, Fluctuation, F. J. Hyde | Nov. | 271 |
| ——, Visual Detectability of Signals in, J. W. R. Griffiths | May | 118 |
| Non-Linear Resistance, Circuits with, A. Liebetegger | Jan. | 24 |
| Non-Linearity Distortion (*Editorial*) Jan. 1; (*Correspondence*) | Apr. | 103 |
| Nyquist's Stability Criterion, E. A. Freeman and J. F. Meredith | Dec. | 290 |
| OBITUARY: Bainbridge-Bell, L.H. | Sept. | 228 |
| ——: Megaw, Dr. Eric C. S. | Mar. | 76 |
| ——: Robertson, N. C. | Mar. | 76 |
| ——: Robinson, James | Dec. | 301 |
| ——: Whitehead, Stanley | May | 128 |
| ——: Wright, G. M. | Oct. | 252 |
| Oblique Transmission by the Meteoric E-Layer, R. Naismith | July | 159 |
| Optimum *RC* Filters, J. W. R. Griffiths | Nov. | 268 |

| | MONTH | PAGE |
|---|---|---|
| Oscillations, Free, in Simple Distributed Circuits, A. B. Hillan | Dec. | 279 |
| Oscillator Frequency Stability, A. S. Gladwin | Sept. | 209 |
| Oscillators, Amplitude Limitation in *LC*, Ziya Akçasu | June | 151 |
| ——, Constant-Frequency, A. S. Gladwin, Jan. 13; (*Correspondence*) Aug. 201, | Sept. | 227 |
| ——, High-Stability, (*Correspondence*) | Feb. | 53 |
| ——, *RC* Cathode-Follower, (*Correspondence*) | May | 129 |
| PARABOLIC Cylinder Aerials, K. Foster, | Mar. | 59 |
| Parallel-T *RC* Network, G. V. Buckley | July | 168 |
| Phase-Angle Measurement, C. H. Vincent | May | 113 |
| Physical Society's Exhibition, Review | June | 131 |
| Plotting Aid, D.F., H. G. Hopkins | July | 173 |
| Poisson's Formula: Aerial Pattern Synthesis, Herbert E. Salzer | Oct. | 240 |
| Polarization Errors: Adcock Direction Finder, W. C. Bain | Jan. | 20 |
| Propagation: Back-Scatter Ionospheric Sounder, E. D. R. Shearman and L. T. J. Martin | Aug | 190 |
| *RC* Cathode-Follower Oscillators (*Correspondence*) | May | 129 |
| —— Filters, Optimum, J. W. R. Griffiths | Nov. | 268 |
| —— Network, Parallel-T, G. V. Buckley | July | 168 |
| R.E.C.M.F. Exhibition, 1957 | Dec. | 302 |
| R.I.C. Technical Writing Premium Awards | Apr. | 104 |
| Radar Displays, Clutter on, J. Croney | Apr. | 83 |
| Redifon: " Janet", (*Editorial*) | Sept. | 203 |
| Rejector Circuit, New, (*Editorials*) Apr. 77, May 105; (*Correspondence*) July 175, 177, | Sept. | 226 |
| Robertson, N. C., Obituary | Mar. | 76 |
| Robinson, James, Obituary | Dec. | 301 |
| SATURABLE-REACTOR Frequency Divider (*Correspondence*) | Feb. | 54 |
| Scatter: Ionospheric, " Janet", (*Editorial*) | Sept. | 203 |
| Scattering of Microwaves by Long Dielectric Cylinders, Albert W. Adey | Nov. | 259 |
| Shockley, Dr. W., Nobel Prize | Dec. | 301 |
| Smith-Rose, Dr. R. L., Acting Director, N.P.L. | Mar. | 74 |
| Sounder, Back-Scatter Ionospheric, E.D.R. Shearman and L. T. J. Martin | Aug. | 190 |
| Spectrum of Television Signals, D. A. Bell and G. E. D. Swann | Nov. | 253 |
| Stability Criterion, Nyquist's, E. A. Freeman and J. F. Meredith | Dec. | 290 |
| Standard-Frequency Transmissions, Jan. 30, Feb. 56, Mar. 76, Apr. 104, May 128, June 156, July 178, Aug. 202, Sept. 228, Oct. 252, Nov. 278, Dec. 302; (*Correspondence*) | Dec. | 301 |
| Standard-Frequency Transmissions: Expressed in Terms of Caesium Resonance, L. Essen | July | 178 |
| Sutherland, Prof. G. B. B. M., New Director N.P.L. | Mar. | 74 |
| TECHNICAL Writing Premium Awards, R.I.C. | Apr. | 104 |
| Television: Bifilar-T Trap (*Editorials*) Apr. 77, May 105; (*Correspondence*) July 175, 177, | Sept. | 226 |
| ——, Compatible Colour-, J. Haantjes and K. Teer, Jan. 3, | Feb. | 39 |
| —— Picture Quality (*Editorial*) | July | 157 |
| —— Signals, Spectrum of, D. A. Bell and G. E. D. Swann | Nov. | 253 |
| Thomson, Dr. J., New Appointment | May | 128 |
| Transient Response Calculation (*Correspondence*) | Jan. | 29 |
| Transformers, Impedance, J. Willis and N. K. Sinha | Sept. | 204 |
| Transistor Amplifier, (*Editorial*) Feb. 31; (*Correspondence*) | Apr. | 103 |
| Transmission Circuits, Line, E. D. Fitton and R. E. Howland | June | 143 |
| Triode Amplifiers, Disc-Seal, G. Craven | Aug. | 179 |
| VALVES: Glow-Discharge Tubes, F. A. Benson and L. J. Bental | Feb. | 33 |
| Visual Detectability of Signals in Noise, J. W. R. Griffiths | May | 118 |
| Vehicle-Speed Indicator, Microwave, G. W. G. Court | Mar. | 66 |
| WAVEGUIDE Filters, M. H. N. Potok | Apr. | 79 |
| Whitehead, Dr. Stanley, Obituary | May | 128 |
| "Wireless Engineer", The New | Dec. | 302 |
| Wright, G. M., Obituary | Oct. | 252 |
| X-RAY Production by Magnetron (*Correspondence*) | Jan | 29 |


# INDEX TO AUTHORS


| | MONTH | PAGE |
|---|---|---|
| ADEY, ALBERT W. | Nov. | 259 |
| AKCASU, ZIYA | June | 151 |
| ALTSHULER, J. | Nov. | 257 |
| ASHWELL, G. E. and FOWLER, C. S. | Oct. | 245 |
| BAIN, W. C. | Jan. | 20 |
| BELL, D. A. and SWANN, G. E. D. | Nov. | 253 |
| BENSON, F. A. and BENTAL, L. J. | Feb. | 33 |
| BENTAL, L. J. with BENSON, F. A. | Feb. | 33 |
| BLOCH, A. | Dec. | 295 |
| BUCKLEY, G. V. | July | 168 |
| CHENG, DAVID K. | Oct. | 234 |
| COURT, G. W. G. | Mar. | 66 |
| CRAVEN, G. | Aug. | 179 |
| CRONEY, J. | Apr. | 83 |
| DEHN, R. | Jan. | 10 |
| ESSEN, L. | July | 178 |
| FITTON, E. D. and HOWLAND, R. E. | June | 143 |
| FOSTER, K. | Mar. | 59 |
| FOWLER, C. S. with ASHWELL, G. E. | Oct. | 245 |
| FREEMAN, E. A. and MEREDITH, J. F. | Dec. | 290 |
| GLADWIN, A. S. | Jan. 13, Sept. | 209 |
| GRIFFITHS, J. W. R. | May 118, Nov. | 268 |
| HAANTJES, J. and TEER, K. | Jan. 3, Feb. | 39 |
| HEAD, J. W. with MAYO, C. G. | Apr. 96, May 121, Nov. | 265 |
| HEUVELMAN, C. J. and VAN WEEL, A. | May | 107 |
| HILLAN, A. B. | Dec. | 279 |
| HOPKINS, H. G. | July | 173 |
| HOWLAND, R. E. with FITTON, E. D. | June | 143 |
| HYDE, F. J. | Nov. | 271 |
| LENT, S. J. with LORD, A. V. | Sept. | 220 |
| LIEBETEGGER, A. | Jan. | 24 |
| LORD, A. V. and LENT, S. J. | Sept. | 220 |
| MARTIN, L. T. J. and SHEARMAN, E. D. R. | Aug. | 190 |
| MAYO, C. G. and HEAD, J. W. Apr. 96, May 121, | Nov. | 265 |
| MEREDITH, J. F. with FREEMAN, E. A. | Dec. | 290 |
| MINNIS, C. M. with WILKINS, A. F. | Feb | 47 |
| NAISMITH, R. | July | 159 |
| POTOK, M. H. N. | Apr. | 79 |
| REEVES, R. J. D. June 135, July 162, | Aug. | 184 |
| ROWLANDS, R. O. | Oct. | 238 |
| SALZER, HERBERT E. | Oct. | 240 |
| SHEARMAN, E. D. R. and MARTIN, L. T. J. | Aug. | 190 |
| SINHA, N. K. with WILLIS, J. | Sept. | 204 |
| SWANN, G. E. D. with BELL, D. A. | Nov. | 253 |
| TEER, K. with HAANTJES, J. Jan. 3, | Feb. | 39 |
| VINCENT, C. H. | May | 113 |
| WEEL, A. VAN with HEUVELMAN, C. J. | May | 107 |
| WILKINS, A. F. and MINNIS, C. M. | Feb. | 47 |
| WILLIS, J. and SINHA, N. K. | Sept. | 204 |